

**TDMS No.** 20114 - 01

**Test Type:** 90-DAY

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 01/14/2009

**Time Report Requested:** 15:00:11

**First Dose M/F:** 11/12/01 / 11/11/01

**Lab:** SRI

F1\_Rev.1\_R2

**C Number:** C20114

**Lock Date:** 06/24/2002

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**Study Gender:** Both

**TDMSE Version:** 2.1.0

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>0 MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation, Focal					1		1				2 1.0
Infiltration Cellular, Mixed Cell						1					2 1.0
Centrilobular, Vacuolization Cytoplasmic								1			1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal				1				1			2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/L	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Salivary Glands	+	+	+	+	+	+	+	+	+	10
Parotid Gland, Basophilic Focus, Multiple	1	1	1	1	1	1	2	1		7 1.1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	10
<b>CARDIOVASCULAR SYSTEM</b>										
Heart	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy, Focal	1	1		1	1	1	1	1		6 1.0
<b>ENDOCRINE SYSTEM</b>										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	10
Accessory Adrenal Cortical Nodule						X				1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	10
Pars Distalis, Cyst					1	1				2 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE ANIMAL ID 0 MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Thyroid Gland	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy											1 1.0

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node Mediastinal, Hemorrhage	+	+	+	+	+	+	+	+	+	+	10
	2				1						2 1.5

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

FISCHER 344 RATS MALE 0 MG/L	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
Lymph Node, Mandibular		M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric Infiltration Cellular, Histiocyte		+	+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>												
Mammary Gland		M	M	+	+	+	+	M	+	+	+	7
Skin		+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>												
Bone		+	+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>												
Brain		+	+	+	+	+	+	+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>												

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE 0 MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Focal, Chronic	1				1	1					3 1.0
Alveolus, Infiltration Cellular, Histiocyte					1						1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

## SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

## URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	1	1	1	1	1						5 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>62.5MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+				6
Intestine Large, Cecum	+	+	+	+	+	+				6
Intestine Large, Colon	+	+	+	+	+	+				6
Intestine Large, Rectum	+	+	+	+	+	+				6
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+				6
Intestine Small, Jejunum	+	+	+	+	+	+				6
Liver Infiltration Cellular, Mixed Cell	+	+	+	+	+	+	+	+	+	10
						1				1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+				6
Salivary Glands Parotid Gland, Basophilic Focus, Multiple	+	+	+	+	+	+				6
	1		1	1						3 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>62.5MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+
Tongue	+	+	+	+	+	+	+	+	+	+

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+				6
Cardiomyopathy, Focal	1	1	1	1			1			5 1.0

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+					6
Adrenal Medulla	+	+	+	+	+					6
Parathyroid Gland	+	+	+	+	+					6
Pituitary Gland Pars Distalis, Cyst	+	+	+	+	+					6
				2						1 2.0
Thyroid Gland	+	+	+	+	+					6

**GENERAL BODY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE 62.5MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

NONE

## GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+			6
Preputial Gland	+	+	+	+	+	+	+			6
Prostate	+	+	+	+	+	+	+			6
Seminal Vesicle	+	+	+	+	+	+	+			6
Testes	+	+	+	+	+	+	+			6

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	10
Lymph Node Pancreatic, Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	10
	1	1	1	1	1	1	1	1	1	5 1.0
Lymph Node, Mandibular	M	M	M	M	M	M				0
Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+			6
							1			1 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE	9	9	9	9	9	9	9	9	9	9
ANIMAL ID	3	3	3	3	3	3	3	3	3	3
62.5MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
Spleen	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Spleen	+	+	+	+	+	+	+			6
Thymus	+	+	+	+	+	+	+			6
<b>INTEGUMENTARY SYSTEM</b>										
Mammary Gland	+	+	+	+	+	+	+			6
Skin	+	+	+	+	+	+	+			6
<b>MUSCULOSKELETAL SYSTEM</b>										
Bone	+	+	+	+	+	+	+			6
<b>NERVOUS SYSTEM</b>										
Brain	+	+	+	+	+	+	+			5
<b>RESPIRATORY SYSTEM</b>										
Lung	+	+	+	+	+	+	+			6
Inflammation, Focal, Chronic							1			1 1.0
Nose	+	+	+	+	+	+	+			6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>62.5MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Trachea	+	+	+	+	+	+	+			6
---------	---	---	---	---	---	---	---	--	--	---

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+			6
Harderian Gland	+	+	+	+	+	+	+			6

**URINARY SYSTEM**

Kidney Nephropathy	+	+	+	+	+	+	+	+	+	10
				1						1 1.0
Urinary Bladder	+	+	+	+	+	+	+			6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>125MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	6
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	6
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	6
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	10
	1	1	1	1	1	1	2	1		7 1.1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	6
Liver Inflammation, Focal, Chronic	+	+	+	+	+	+	+	+	+	10
	1	1								2 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	6
Salivary Glands Parotid Gland, Basophilic Focus, Multiple	+	+	+	+	+	+	+	+	+	6
					1	1	1	1		4 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
125MG/L	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	6
Cardiomyopathy, Focal			1	1		1		3 1.0

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	6
Adrenal Medulla	+	+	+	+	+	+	+	6
Parathyroid Gland	+	+	+	+	+	+	+	6
Pituitary Gland	+	+	+	+	+	+	+	6
Pars Distalis, Cyst				1				1 1.0
Thyroid Gland	+	+	+	+	+	+	+	6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
DAY ON TEST	.	.	.	.	.	.	.	.	.	.
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
125MG/L	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	6
Preputial Gland	+	+	+	+	+	+	+	+	+	6
Prostate	+	+	+	+	+	+	+	+	+	6
Seminal Vesicle	+	+	+	+	+	+	+	+	+	6
Testes	+	+	+	+	+	+	+	+	+	6

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	10
Pancreatic, Infiltration Cellular, Histiocyte					1				1	2 1.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE 125MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Spleen	+	+	+	+	+	+	+	+	6
Thymus	+	+	+	+	+	+	+	+	6

## INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	6
Skin	+	+	+	+	+	+	+	+	6

## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	6
------	---	---	---	---	---	---	---	---	---

## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	6
-------	---	---	---	---	---	---	---	---	---

## RESPIRATORY SYSTEM

Lung Inflammation, Focal, Chronic	+	+	+	+	+	+	+	+	6
	1		1						2 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE 125MG/L	9	9	9	9	9	9	9	9	9	9
ANIMAL ID	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Nose	+ +	+ +	+ +	+ +	+ +					6
Trachea	+ +	+ +	+ +	+ +	+ +					6
<b>SPECIAL SENSES SYSTEM</b>										
Eye	+ +	+ +	+ +	+ +	+ +					6
Harderian Gland	+ +	+ +	+ +	+ +	+ +					6
<b>URINARY SYSTEM</b>										
Kidney	+ +	+ +	+ +	+ +	+ +	+ +	+ +	+ +	+ +	10
Casts Protein										1 1.0
Nephropathy	1									1 1.0
Urinary Bladder	+ +	+ +	+ +	+ +	+ +					6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE	9	9	9	9	9	9	9	9	9	9
ANIMAL ID	3	3	3	3	3	3	3	3	3	3
250MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	6
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	6
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	6
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	10
	1	1	1	1	1	1	1	2	2	9 1.2
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	6
Liver	+	+	+	+	+	+	+	+	+	10
Oral Mucosa	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	6
Salivary Glands Parotid Gland, Basophilic Focus, Multiple	+	+	+	+	+	+	+	+	+	6
	1	1	1	1	1	1	1	1	1	4 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
250MG/L	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+
Tongue	+	+	+	+	+	+	+	+	+	+

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	6	
Cardiomyopathy, Focal	1	1	1	1	1	1	1	1		5 1.0

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	6	
Accessory Adrenal Cortical Nodule				X					1
Hyperplasia, Focal	1								1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	6	
Parathyroid Gland	+	+	+	+	+	+	M		5
Pituitary Gland	+	+	+	+	+	+	+	6	
Pars Distalis, Angiectasis	1								1 1.0
Thyroid Gland	+	+	+	+	+	+	+	6	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>ANIMAL ID</b> <b>250MG/L</b>	0	0	0	0	0	0	0	0	0	*
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	6
Preputial Gland	+	+	+	+	+	+	+	6
Prostate	+	+	+	+	+	+	+	6
Seminal Vesicle	+	+	+	+	+	+	+	6
Testes	+	+	+	+	+	+	+	6

**HEMATOPOIETIC SYSTEM**

Bone Marrow Hyperplasia	+	+	+	+	+	+	+	+	+	10
	1	1								2 1.0
Lymph Node Pancreatic, Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	M	9
Pancreatic, Infiltration Cellular, Histiocyte	1				1	1				3 1.0
	1	1	1	1						4 1.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	0		

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
250MG/L	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	6
	1			1	1			3 1.0
<hr/>								
Spleen	+	+	+	+	+	+	+	6
<hr/>								
Thymus	+	+	+	+	+	+	+	6

## INTEGUMENTARY SYSTEM

Mammary Gland	+	+	M	+	+	+	5
<hr/>							
Skin	+	+	+	+	+	+	6

## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	6
<hr/>								

## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	6
<hr/>								

## RESPIRATORY SYSTEM

*	.. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+	.. Tissue examined microscopically
x	.. Lesion present
I	.. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>250MG/L</b>	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>									
Lung	+	+		+		+	+	+		6
Inflammation, Focal, Chronic				1		1				2 1.0
Nose	+	+		+		+	+	+		6
Trachea	+	+		+		+	+	+		6
<b>SPECIAL SENSES SYSTEM</b>										
Eye	+	+		+		+	+	+		6
Harderian Gland	+	+		+		+	+	+		6
<b>URINARY SYSTEM</b>										
Kidney	+	+	+	+	+	+	+	+		10
Nephropathy	1	1								2 1.0
Urinary Bladder	+	+		+		+	+	+		6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>500MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+					6
Intestine Large, Cecum	+	+	+	+	+	+					6
Intestine Large, Colon	+	+	+	+	+	+					6
Intestine Large, Rectum	+	+	+	+	+	+					6
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+		10
	1	1	2	1	1	1	2	2			8 1.4
Intestine Small, Ileum	+	+	+	+	+	+					5
Intestine Small, Jejunum	+	+	+	+	+	+					6
Liver Hepatodiaphragmatic Nodule Inflammation, Focal, Chronic	+	+	+	+	+	+	+	+	+		9
	1	1					X				1
											2 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+		10
Pancreas	+	+	+	+	+	+	+				6
Salivary Glands	+	+	+	+	+	+	+				6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

FISCHER 344 RATS MALE ANIMAL ID 500MG/L	DAY ON TEST	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0
<hr/>										
Parotid Gland, Basophilic Focus, Multiple		1	1	2						3 1.3
Stomach, Forestomach		+	+	+	+	+	+	+	+	10
Stomach, Glandular Ulcer		+	+	+	+	+	+	+	+	10
Tongue Granuloma, Focal		+	+	+	+	+	+	+	+	10
		1								1 1.0

**\* TOTALS****CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+		6
Cardiomyopathy, Focal	1	1	1	1	1	1		6 1.0

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+		6
Adrenal Medulla	+	+	+	+	+	+		6
Parathyroid Gland	+	+	+	+	+	M		5
Pituitary Gland	+	+	+	+	+	+		6
Thyroid Gland	+	+	+	+	+	+		6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>ANIMAL ID</b> <b>500MG/L</b>	0	0	0	0	0	0	0	0	0	*
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Epididymis	+	+	+	+	+	+				6
Preputial Gland	+	+	+	+	+	+				6
Prostate	+	+	+	+	+	+				6
Seminal Vesicle	+	+	+	+	+	+				6
Testes	+	+	+	+	+	+				6
Atrophy						1				1 1.0

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	10
Pancreatic, Ectasia	1									1 1.0
Pancreatic, Hyperplasia, Lymphoid		1		1						3 1.0
Pancreatic, Infiltration Cellular, Histiocyte	1	1	1		1	1				5 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>500MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Lymph Node, Mandibular	+	M	M	M	M	M				1
Lymph Node, Mesenteric Ectasia	+	+	+	+	+	+	+			6
				2						1 2.0
Spleen	+	+	+	+	+	+	+			6
Thymus	+	+	+	+	+	+	+			6

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	M	+	+	+	M				4
Skin	+	+	+	+	+	+	+			6

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+			6
------	---	---	---	---	---	---	---	--	--	---

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+			6
-------	---	---	---	---	---	---	---	--	--	---

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>500MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+				6
Inflammation, Focal, Chronic			2							1 2.0
Alveolar Epithelium, Bronchiole, Hyperplasia						1				1 1.0
Nose	+	+	+	+	+	+				6
Trachea	+	+	+	+	+	+				6

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+				6
Harderian Gland	+	+	+	+	+	+				6

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	10
Casts Protein							1			1 1.0
Nephropathy	1	1			1	1				4 1.0
Urinary Bladder	+	+	+	+	+	+				6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>1000 MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	+	10
	1	1	1	2	2	2	2	1			7 1.4
Intestine Small, Ileum	+	+	+	+	+	+	+	+	M		9
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+		10
Liver Infiltration Cellular, Mixed Cell Inflammation, Focal, Chronic	+	+	+	+	+	+	+	+	+	+	10
											1 1.0
	1										1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+		10
Pancreas Acinus, Atrophy, Focal	+	+	+	+	+	+	+	+	+		10
											2 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

FISCHER 344 RATS MALE 1000 MG/L	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	10
Parotid Gland, Basophilic Focus, Multiple		2	1	2	2	1	2	1	1	1	1	10 1.4
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	10
Ulcer						3						1 3.0
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	10
Ulcer		4	3	4	2	3		3	3			8 3.0
Epithelium, Hyperplasia, Regenerative,		3	3	1	3	1	2	2	2	2	3	10 2.2
Focal												
Epithelium, Metaplasia, Squamous, Focal		2	3		3		2	3	2		3	7 2.6
Tongue		+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Blood Vessel		+										1
Heart		+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy, Focal		1	1	1	1							4 1.0

## ENDOCRINE SYSTEM

Adrenal Cortex		+	+	+	+	+	+	+	+	+		10
Hypertrophy, Focal		1										1 1.0
Adrenal Medulla		+	+	+	+	+	+	+	+	+		10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE 1000 MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

FISCHER 344 RATS MALE 1000 MG/L	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
Hyperplasia		1		1	1							3 1.0
Lymph Node		+	+	+	+	+	+	+	+	+		10
Mediastinal, Hemorrhage												1 1.0
Pancreatic, Ectasia		2	2	2	2	1	2	1	1	2	2	10 1.7
Pancreatic, Hyperplasia, Lymphoid		3	2	3			2	3		3		6 2.7
Pancreatic, Infiltration Cellular, Histiocyte		2	2	1	2	1	3	2	2	1		9 1.8
Lymph Node, Mandibular		M	M	M	M	M	M	M	M	M		0
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+		10
Infiltration Cellular, Histiocyte												1 1.0
Spleen		+	+	+	+	+	+	+	+	+		10
Hematopoietic Cell Proliferation												1 1.0
Thymus		+	+	+	+	+	+	+	+	+		10

## INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	M	+		9
Skin	+	+	+	+	+	+	+	+	+	+		10

## MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade	M .. Missing tissue	1-4 .. Lesion qualified as:
+ .. Tissue examined microscopically	A .. Autolysis precludes evaluation	1) Minimal    3) Moderate
x .. Lesion present	BLANK .. Not examined microscopically	2) Mild    4) Marked
I .. Insufficient tissue	Page 30	

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>1000 MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Bone	+	+	+	+	+	+	+	+	+	+
										10

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+
										10

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+
Inflammation, Focal, Acute	1									
Inflammation, Focal, Chronic		1					1	1		
Metaplasia, Osseous					1					
Alveolus, Infiltration Cellular, Histiocyte					1		1			
Nose	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+
Inflammation, Focal, Chronic				1			1			

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS MALE</b> <b>1000 MG/L</b>	0	0	0	0	0	0	0	0	0	*
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	
										<b>TOTALS</b>

## URINARY SYSTEM

Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+
	1		1		1				1	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+

\*\*\* END OF MALE DATA \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 0 MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule										X	1
Inflammation, Focal, Chronic											3 1.0
Mesentery						+					1
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
	<hr/>									
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>0 MG/L</b>	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
	<hr/>									
Salivary Glands	+	+	+	+	+	+	+	+	+	10
Parotid Gland, Basophilic Focus, Multiple					1	1	1	1	1	6 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	10
<hr/>										
<b>CARDIOVASCULAR SYSTEM</b>										
Heart	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy, Focal					1		1	1	1	3 1.0
<hr/>										
<b>ENDOCRINE SYSTEM</b>										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	M	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	10
Rathke's Cleft, Cyst							X			1
Thyroid Gland	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 0 MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Clitoral Gland Duct, Ectasia	+	+	+	+	+	+	+	+	+	+	10	1 2.0
Ovary Cyst	+	+	+	+	+	+	+	+	+	+	10	2 2.0
Uterus Hydrometra	+	+	+	+	+	+	+	+	+	+	10	2 2.0

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node Mediastinal, Hemorrhage	+	+	+	+	+	+	+	+	+	+	10	2 2.0
Mediastinal, Hyperplasia, Lymphoid					2					2		1 2.0
Pancreatic, Hemorrhage										2		1 2.0
Pancreatic, Infiltration Cellular, Histiocyte	1	1	1			1						4 1.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 0 MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	+
				1	1	1				
Spleen	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+

10

3 1.0

10

10

10

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+

10

10

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+
------	---	---	---	---	---	---	---	---	---	---

10

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+
-------	---	---	---	---	---	---	---	---	---	---

10

**RESPIRATORY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
	<hr/>									
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>0 MG/L</b>	0	0	0	0	0	0	0	0	0	0
Lung	+	+	+	+	+	+	+	+	+	+
Inflammation, Focal, Chronic			1			1	1	1		1
Metaplasia, Osseous						1				
Nose	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+
<hr/>										<b>* TOTALS</b>
										10
										4 1.0
										1 1.0
<hr/>										
<b>SPECIAL SENSES SYSTEM</b>										
Eye	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+
<hr/>										
<b>URINARY SYSTEM</b>										
Kidney	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	+	+	+	+	+	+	+	+	+	+
<hr/>										

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS FEMALE</b> <b>62.5MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+			6
Intestine Large, Cecum	+	+	+	+	+	+	+			6
Intestine Large, Colon	+	+	+	+	+	+	+			6
Intestine Large, Rectum	+	+	+	+	+	+	+			6
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	10
	1									1 1.0
Intestine Small, Ileum	+	+	+	+	+	+	+			6
Intestine Small, Jejunum	+	+	+	+	+	+	+			6
Liver Infiltration Cellular, Histiocyte Inflammation, Focal, Chronic	+	+	+	+	+	+	+	+	+	10
	1	2								3 1.3
	1		1	1	1	1	1			5 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+			6
Salivary Glands	+	+	+	+	+	+	+			6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 62.5MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Parotid Gland, Basophilic Focus, Multiple	1 1									
Stomach, Forestomach	+ + + + + + + + + +									
Stomach, Glandular	+ + + + + + + + + +									
Tongue	+ + + + + + + + + +									

**CARDIOVASCULAR SYSTEM**

Heart	+ + + + + +	6
-------	-------------	---

**ENDOCRINE SYSTEM**

Adrenal Cortex	+ + + + + +	6
Adrenal Medulla	+ + + + + +	6
Parathyroid Gland	+ + + + + +	6
Pituitary Gland	+ + + + + +	6
Thyroid Gland	+ + + + + +	6

**GENERAL BODY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 62.5MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

NONE

## GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	6
Ovary	+	+	+	+	+	+	+	+	6
Uterus	+	+	+	+	+	+	+	+	6

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	10
Lymph Node Pancreatic, Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	10
	1	2	2	1	1	1	1	2	1	8 1.4
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	6
	2									2 1.5
Spleen	+	+	+	+	+	+	+	+	+	6
Thymus	+	+	+	+	+	+	+	+	+	6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 62.5MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	6
Skin	+	I	+	+	+	+	+	5

## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	6
------	---	---	---	---	---	---	---	---

## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	6
-------	---	---	---	---	---	---	---	---

## RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	5	
Inflammation, Focal, Chronic	1	1	1					3 1.0
Alveolus, Infiltration Cellular, Histiocyte				1				1 1.0
Nose	+	+	+	+	+	+	6	
Trachea	+	+	+	+	+	+	6	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS FEMALE</b> <b>ANIMAL ID</b> <b>62.5MG/L</b>	0	0	0	0	0	0	0	0	0	*
	0	0	0	0	0	0	0	0	0	*
	0	0	0	0	0	0	0	0	0	*
	7	7	7	7	7	7	7	7	7	*
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	6
Harderian Gland	+	+	+	+	+	+	+	+	+	6

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	M	+	+	+	+	+	+	+	5

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS FEMALE</b> <b>ANIMAL ID</b> <b>125MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	6
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	6
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	6
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	10
	1	1			1	1	1	1		5 1.0
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	6
Liver Infiltration Cellular, Histiocyte Inflammation, Focal, Chronic	+	+	+	+	+	+	+	+	+	10
	1	1	1	1	1	1	1	1	1	6 1.0
	1	1								2 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	6
Salivary Glands	+	+	+	+	+	+	+	+	+	6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
	<hr/>									
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>125MG/L</b>	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	<hr/>									
Parotid Gland, Basophilic Focus, Multiple					1		2			
	<hr/>									
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+
	<hr/>									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+
	<hr/>									
Tongue	+	+	+	+	+	+	+	+	+	+
	<hr/>									
<b>CARDIOVASCULAR SYSTEM</b>	<hr/>									
Heart	+				+	+	+	+	+	
Cardiomyopathy, Focal					1		1			
	<hr/>									
<b>ENDOCRINE SYSTEM</b>	<hr/>									
Adrenal Cortex	+				+	+	+	+	+	
	<hr/>									
Adrenal Medulla	+				+	+	+	+	+	
	<hr/>									
Parathyroid Gland	+				+	+	+	+	+	
	<hr/>									
Pituitary Gland	+				+	+	+	+	+	
Rathke's Cleft, Cyst					X					
	<hr/>									
Thyroid Gland	+				+	+	+	+	+	
	<hr/>									

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 125MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	6
Ovary Cyst	+	+	+	+	+	+	+	X	6
Uterus Hydrometra	+	+	+	+	+	+	+	2	6
									1 2.0

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	10
Pancreatic, Hyperplasia, Lymphoid					1					2 1.5
Pancreatic, Infiltration Cellular, Histiocyte	1	2	1	2		2	3	1		7 1.7
Lymph Node, Mandibular	M		M	M	M	M	M			0
Lymph Node, Mesenteric	+		+	+	+	+	+			6
Infiltration Cellular, Histiocyte			1	2		2				3 1.7

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS FEMALE</b> <b>ANIMAL ID</b> <b>125MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS**

Spleen	+	+	+	+	+	+	+	6
Thymus	+	+	+	+	+	+	+	6

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	6
Skin	+	+	+	+	+	+	+	6

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	6
------	---	---	---	---	---	---	---	---

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	6
-------	---	---	---	---	---	---	---	---

**RESPIRATORY SYSTEM**

Lung Inflammation, Focal, Chronic	+	+	+	+	+	+	+	6
								1 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 125MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Nose	+	+	+	+	+	+	+	+	6
Trachea	+	+	+	+	+	+	+	+	6

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	6		
Harderian Gland Inflammation, Focal, Chronic	+	+	+	+	+	+	+	1	6	1 1.0

**URINARY SYSTEM**

Kidney Pelvis, Inflammation	+	+	+	+	+	+	+	+	+	10	1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	6	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
	.....									
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>250MG/L</b>	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	6
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	6
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	6
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	10
	1	1	1	1	2	2	1	2		7 1.4
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	6
Liver	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule					X					1
Infiltration Cellular, Histiocyte	1	1	1	1	1	1	1	1		6 1.0
Inflammation, Focal, Chronic	1	1	1	1	1	1	1	1		7 1.0
Necrosis, Focal					1					1 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 250MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Salivary Glands Parotid Gland, Basophilic Focus, Multiple	+	+	+	+		+	+			6
				1						1 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart Cardiomyopathy, Focal	+	+	+	+		+	+			6
		1		1						2 1.0

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+		+	+			6
Adrenal Medulla	+	+	+	+		+	+			6
Parathyroid Gland		+	+	+		+	+			5
Pituitary Gland Rathke's Cleft, Cyst	+	+	+	+		+	+			6
	X									1

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 250MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Thyroid Gland	+	+	+	+		+	+			6

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Clitoral Gland	+	+	+	+		+	+			6
Ovary	+	+	+	+		+	+			6
Uterus	+	+	+	+		+	+			6

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node Pancreatic, Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	+	10
	1		1	1	1	2		1	2		7 1.3
Lymph Node, Mandibular	+	M	M	M		M	M				1
Lymph Node, Mesenteric Infiltration Cellular, Histiocyte	+	+	+	+		+	+				6
						2	2				2 2.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
DAY ON TEST										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
250MG/L	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Spleen	+	+	+	+			+	+		6
Thymus	+	+	+	+			+	+		6
<b>INTEGUMENTARY SYSTEM</b>										
Mammary Gland	+	+	+	+			+	+		6
Skin	+	+	+	+			+	+		6
<b>MUSCULOSKELETAL SYSTEM</b>										
Bone	+	+	+	+			+	+		6
<b>NERVOUS SYSTEM</b>										
Brain	+	+	+	+			+	+		6
<b>RESPIRATORY SYSTEM</b>										
Lung	+	+	+	+			+	+		6
Infiltration Cellular, Histiocyte							1			1 1.0
Nose	+	+	+	+			+	+		6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 250MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Trachea	+	+	+	+	+	+	+	+	+	6
---------	---	---	---	---	---	---	---	---	---	---

## SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	6
Harderian Gland Inflammation, Focal, Chronic	+	+	+	+	+	1	+	+	+	6

1 1.0

## URINARY SYSTEM

Kidney Casts Protein	+	+	+	+	+	+	+	+	+	10
	1									1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS FEMALE</b> <b>ANIMAL ID</b> <b>500MG/L</b>	0	0	0	0	0	0	0	0	0	*
	0	0	0	0	0	0	0	0	0	TOTALS
	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	

## ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	6
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	6
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	6
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	10
	1	2	2	1	1	2	2	2	2	8 1.6
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	6
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	6
Liver	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule						X				1
Infiltration Cellular, Histiocyte	2	1	1	1	2	1	1	1	1	9 1.2
Inflammation, Focal, Chronic						1				2 1.0
Necrosis, Focal							1			1 1.0
Oral Mucosa Dysplasia	+	+	+	+	+	+	+	+	+	10
				2						1 2.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

FISCHER 344 RATS FEMALE 500MG/L	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
Pancreas		+	+	+	+		+	+				6
Salivary Glands		+	+	+	+		+	+				6
Parotid Gland, Basophilic Focus, Multiple		1					1					2 1.0
Stomach, Forestomach		+	+	+	+	+	+	+	+	+		10
Stomach, Glandular		+	+	+	+	+	+	+	+	+		10
Tongue		+	+	+	+	+	+	+	+	+		10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+						6
Cardiomyopathy, Focal						1						1 1.0

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+						6
Adrenal Medulla	+	+	+	+	+	+	+					6
Parathyroid Gland	+	+	+	+	+	+	+					6
Pituitary Gland	+	+	+	+	+	+	+					6
Rathke's Cleft, Cyst				X								1

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
	.....									
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>500MG/L</b>	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS**

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	6
---------------	---	---	---	---	---	---	---	---	---	---	---

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	6
Ovary	+	+	+	+	+	+	+	+	+	+	6
Uterus	+	+	+	+	+	+	+	+	+	+	6

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	+	+	+	+	+	+	+	+	+	10
Pancreatic, Ectasia											1 1.0
Pancreatic, Hemorrhage											1 2.0
Pancreatic, Infiltration Cellular, Histiocyte	1	1		2	2	3	2	1			7 1.7
Lymph Node, Mandibular	M	M	M	M		M	M				0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE ANIMAL ID 500MG/L	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									
Lymph Node, Mesenteric	+	+	+	+		+	+			6
Infiltration Cellular, Histiocyte	2	1	1	1			2			5 1.4
Spleen	+	+	+	+		+	+			6
Thymus	+	+	+	+		+	+			6
<b>INTEGUMENTARY SYSTEM</b>										
Mammary Gland	+	+	+	+		+	+			6
Skin	+	+	+	+		+	+			6
<b>MUSCULOSKELETAL SYSTEM</b>										
Bone	+	+	+	+		+	+			6
<b>NERVOUS SYSTEM</b>										
Brain	+	+	+	+		+	+			6
<b>RESPIRATORY SYSTEM</b>										
Lung	+	+	+	+		+	+			6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS FEMALE</b> <b>500MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>										
Inflammation, Focal, Chronic					1					1 1.0
Nose	+	+	+	+		+	+			6
Trachea	+	+	+	+		+	+			6
<b>SPECIAL SENSES SYSTEM</b>										
Eye	+	+	+	+		+	+			6
Harderian Gland Infiltration Cellular, Lymphoid	+	+	+	+		+	+			6
					2					1 2.0
<b>URINARY SYSTEM</b>										
Kidney Casts Protein	+	+	+	+	+	+	+	+	+	10
					1					1 1.0
Urinary Bladder	+	+	+	+		+	+			6

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0
<b>1000 MG/L</b>	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

**\* TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	+	10
	2	2	2	2	2	2	1	1	1	2	10 1.7
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule	X									X	2
Infiltration Cellular, Histiocyte	1	1	1	1	1	1	1	1	1	1	8 1.0
Inflammation, Focal, Chronic	1	1	1	1	1	1	1	1	1	1	10 1.0
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

FISCHER 344 RATS FEMALE 1000 MG/L	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	10
Parotid Gland, Basophilic Focus, Multiple		1	1		1			1		1	2	5 1.2
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	10
Muscularis, Inflammation, Focal, Chronic Active								2				1 2.0
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	10
Degeneration, Cystic					1							1 1.0
Ulcer		3	3	4	3	4	4	3	3	4	4	10 3.5
Epithelium, Hyperplasia, Regenerative, Focal		2	2	2	1	1	4	2	2	2	2	10 2.0
Epithelium, Metaplasia, Squamous, Focal		3	3	2	3	2	2	2	2	3	2	10 2.4
Muscularis, Inflammation, Focal, Chronic Active					2							1 2.0
Tongue		+	+	+	+	+	+	+	+	+	+	10

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy, Focal	1											1 1.0

## ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	9
Accessory Adrenal Cortical Nodule				X								1

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE 1000 MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	9
Pituitary Gland Rathke's Cleft, Cyst	+	+	+	+	+	+	+	+	+	+	10
	X	X				X	X				4
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+		+	+	+	+	9
Ovary Cyst	+	+	+	+	+	+	+	+	+	+	10
				2				2			2 2.0
Uterus Hydrometra	+	+	+	+	+	+	+	+	+	+	10
						2					1 2.0

## HEMATOPOIETIC SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

FISCHER 344 RATS FEMALE 1000 MG/L	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
Bone Marrow Hyperplasia		+	+	+	+	+	+	+	+	+	+	10 4 1.0
Lymph Node Mediastinal, Hemorrhage		+	+	+	+	+	+	+	+	+	+	10 1 2.0
Pancreatic, Ectasia		2	2	2	2	1	2	2	1	2	2	10 1.8
Pancreatic, Hemorrhage						2						1 2.0
Pancreatic, Hyperplasia, Lymphoid		3	2	2	3	2	2	2	1	2	2	10 2.1
Pancreatic, Infiltration Cellular, Histiocyte		1	1	2	2	2	2	2	2	2	3	9 1.9
Lymph Node, Mandibular		M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric Infiltration Cellular, Histiocyte		+	+	+	+	+	+	+	+	+	+	10 6 1.0
Spleen		+	+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	+	10

## INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	+	10

## MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade	M .. Missing tissue	1-4 .. Lesion qualified as:
+ .. Tissue examined microscopically	A .. Autolysis precludes evaluation	1) Minimal 3) Moderate
x .. Lesion present	BLANK .. Not examined microscopically	2) Mild 4) Marked
I .. Insufficient tissue		
	Page 61	

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE 1000 MG/L	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
Bone	+	+	+	+	+	+	+	+	+	+
										10

\* TOTALS

## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

## RESPIRATORY SYSTEM

Lung Inflammation, Focal, Chronic	+	+	+	+	+	+	+	+	+	+	10
											2 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10

Trachea	+	+	+	+	+	+	+	+	+	+	10
---------	---	---	---	---	---	---	---	---	---	---	----

## SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20114 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>FISCHER 344 RATS FEMALE</b> <b>1000 MG/L</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>										
Casts Protein						1				1 1.0
Nephropathy					1					1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	10

\*\*\* END OF REPORT \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked